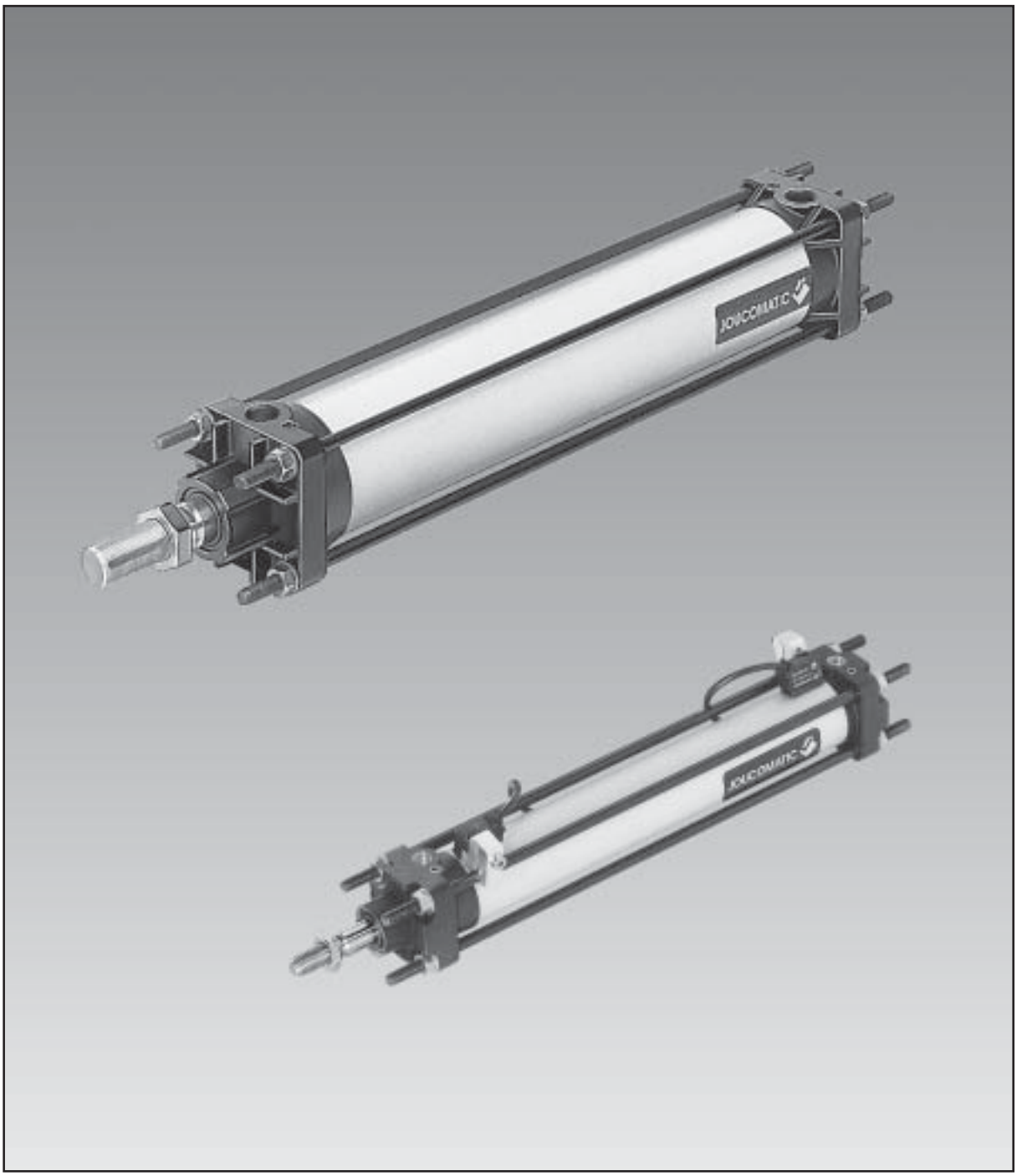
DOUBLE ACTING CYLINDERS, Ø 25 to 200 mm
CONFORMING WITH CNOMO/AFNOR STANDARDS
TRINORM CNOMO/AFNOR - SERIES 437 - TYPE: PCN



P245-GB-R3a

ASCO® JOUCOMATIC

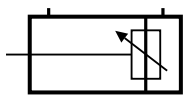
Series 437
Type: PCN

DOUBLE ACTING CYLINDERS Ø 25 to 200 mm

Conforming with CNOMO-AFNOR standards

With pneumatic cushioning

TRINORM - CNOMO



SPECIFICATIONS

FLUID : air or neutral gas filtered, lubricated or unlubricated
PRESSURE : max. 10 bar
TEMPERATURE : - 10°C, + 70°C
STANDARDS : **CNOMO 06-07-02 to 06-07-15**
AFNOR NFE 49001 - NFE 49002 - NFE 49011 to NFE 49015

CONSTRUCTION

Barrel : stainless (Ø 25), drawn steel (Ø 32-200)
Tie rods : stainless steel (Ø 32-100), painted steel (Ø 25, 125-200)
Rod : hard chrome plated steel
Piston : acetal resin (POM), galvanised steel or light aluminium alloy
Piston seals : polyurethane (PUR) or nitrile (NBR)
Cushioning seals : nitrile (NBR)
Front and rear ends : Ø 25 mm zamak
Ø 32 to 200 mm light alloy
Bearing : self-lubricating metal
Rod nut : galvanised steel
Cushioning : pneumatic, adjustable from both sides

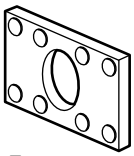
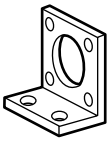
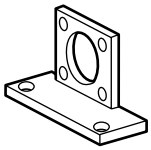
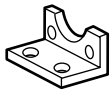
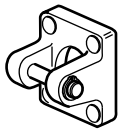
Cushioning length:
Ø25 and 32 mm = 15 mm
Ø40 and 50 mm = 20 mm
Ø63 and 80 mm = 21 mm
Ø100 and125 mm= 24 mm
Ø160 and200 mm= 30 mm

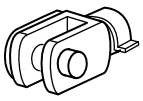
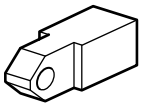
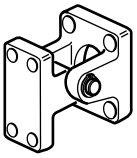
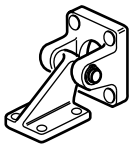
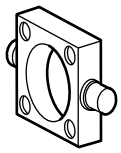
CHOICE OF EQUIPMENT

Bore Ø (mm)	Strokes (mm)	CODES To specify on order	REFERENCES To specify on order	Connection
25	50	**437 00 621**	PCN 25 A 50 S	G 1/8
	100	**437 00 622**	PCN 25 A 100 S	
	150	**437 00 623**	PCN 25 A 150 S	
	200	**437 00 624**	PCN 25 A 200 S	
	250	**437 00 625**	PCN 25 A 250 S	
32	50	**437 00 641**	PCN 32 A 50 S	G 1/8
	100	**437 00 642**	PCN 32 A 100 S	
	150	**437 00 643**	PCN 32 A 150 S	
	200	**437 00 644**	PCN 32 A 200 S	
	250	**437 00 645**	PCN 32 A 250 S	
40	50	**437 00 661**	PCN 40 A 50 S	G 1/4
	100	**437 00 662**	PCN 40 A 100 S	
	150	**437 00 663**	PCN 40 A 150 S	
	200	**437 00 664**	PCN 40 A 200 S	
	250	**437 00 665**	PCN 40 A 250 S	
	300	**437 00 666**	PCN 40 A 300 S	
	400	**437 00 667**	PCN 40 A 400 S	
50	50	**437 00 689**	PCN 50 A 50 S	G 1/4
	100	**437 00 690**	PCN 50 A 100 S	
	150	**437 00 691**	PCN 50 A 150 S	
	200	**437 00 692**	PCN 50 A 200 S	
	250	**437 00 693**	PCN 50 A 250 S	
	300	**437 00 694**	PCN 50 A 300 S	
	400	**437 00 695**	PCN 50 A 400 S	
63	50	**437 00 717**	PCN 63 A 50 S	G 3/8
	100	**437 00 718**	PCN 63 A 100 S	
	150	**437 00 719**	PCN 63 A 150 S	
	200	**437 00 720**	PCN 63 A 200 S	
	250	**437 00 721**	PCN 63 A 250 S	
	300	**437 00 722**	PCN 63 A 300 S	
	400	**437 00 723**	PCN 63 A 400 S	
	500	**437 00 724**	PCN 63 A 500 S	
	600	**437 00 725**	PCN 63 A 600 S	
80	50	**437 00 753**	PCN 80 A 50 S	G 3/8
	100	**437 00 754**	PCN 80 A 100 S	
	150	**437 00 755**	PCN 80 A 150 S	
	200	**437 00 756**	PCN 80 A 200 S	
	250	**437 00 757**	PCN 80 A 250 S	
	300	**437 00 758**	PCN 80 A 300 S	
	400	**437 00 759**	PCN 80 A 400 S	
	500	**437 00 760**	PCN 80 A 500 S	
	600	**437 00 761**	PCN 80 A 600 S	

Bore Ø (mm)	Strokes (mm)	CODES To specify on order	REFERENCES To specify on order	Connection
100	50	**437 00 789**	PCN 100 A 50 S	G 1/2
	100	**437 00 790**	PCN 100 A 100 S	
	150	**437 00 791**	PCN 100 A 150 S	
	200	**437 00 792**	PCN 100 A 200 S	
	250	**437 00 793**	PCN 100 A 250 S	
	300	**437 00 794**	PCN 100 A 300 S	
	400	**437 00 795**	PCN 100 A 400 S	
	500	**437 00 796**	PCN 100 A 500 S	
	600	**437 00 797**	PCN 100 A 600 S	
	700	**437 00 798**	PCN 100 A 700 S	
	800	**437 00 799**	PCN 100 A 800 S	
	900	**437 00 800**	PCN 100 A 900 S	
	1000	**437 00 801**	PCN 100 A1000 S	
125	50	**437 00 843**	PCN 125 A 50 S	G 1/2
	100	**437 00 844**	PCN 125 A 100 S	
	150	**437 00 845**	PCN 125 A 150 S	
	200	**437 00 846**	PCN 125 A 200 S	
	250	**437 00 847**	PCN 125 A 250 S	
	300	**437 00 848**	PCN 125 A 300 S	
	400	**437 00 849**	PCN 125 A 400 S	
	500	**437 00 850**	PCN 125 A 500 S	
	600	**437 00 851**	PCN 125 A 600 S	
	700	**437 00 852**	PCN 125 A 700 S	
	800	**437 00 853**	PCN 125 A 800 S	
	900	**437 00 854**	PCN 125 A 900 S	
	1000	**437 00 855**	PCN 125 A1000 S	
160	50	**437 00 895**	PCN 160 A 50 S	G 3/4
	100	**437 00 896**	PCN 160 A 100 S	
	150	**437 00 897**	PCN 160 A 150 S	
	200	**437 00 898**	PCN 160 A 200 S	
	250	**437 00 899**	PCN 160 A 250 S	
	300	**437 00 900**	PCN 160 A 300 S	
	400	**437 00 901**	PCN 160 A 400 S	
	500	**437 00 902**	PCN 160 A 500 S	
	600	**437 00 903**	PCN 160 A 600 S	
	700	**437 00 904**	PCN 160 A 700 S	
	800	**437 00 905**	PCN 160 A 800 S	
	900	**437 00 906**	PCN 160 A 900 S	
	1000	**437 00 907**	PCN 160 A1000 S	
200	50	**437 00 947**	PCN 200 A 50 S	G 3/4
	100	**437 00 948**	PCN 200 A 100 S	
	150	**437 00 949**	PCN 200 A 150 S	
	200	**437 00 950**	PCN 200 A 200 S	
	250	**437 00 951**	PCN 200 A 250 S	
	300	**437 00 952**	PCN 200 A 300 S	
	400	**437 00 953**	PCN 200 A 400 S	
	500	**437 00 954**	PCN 200 A 500 S	
	600	**437 00 955**	PCN 200 A 600 S	
	700	**437 00 956**	PCN 200 A 700 S	
	800	**437 00 957**	PCN 200 A 800 S	
	900	**437 00 958**	PCN 200 A 900 S	
	1000	**437 00 959**	PCN 200 A1000 S	

MOUNTINGS

For cylinder Ø (mm)	**CODES** to specify on order				
	 Front or rear flange CNOMO 06-07-04	 Standard foot, high CNOMO 06-07-05	 Foot, high and broad CNOMO 06-07-06	 Low feet* stamped steel	 Front or rear trunnion CNOMO 06-07-09
25	**439 00 101**	**439 00 061**	**439 00 071**	**439 00 169**	**439 00 031**
32	**439 00 102**	**439 00 062**	**439 00 072**	**439 00 170**	**439 00 032**
40	**439 00 103**	**439 00 063**	**439 00 073**	**439 00 171**	**439 00 033**
50	**439 00 104**	**439 00 064**	**439 00 074**	**439 00 172**	**439 00 034**
63	**439 00 105**	**439 00 065**	**439 00 075**	**439 00 173**	**439 00 035**
80	**439 00 106**	**439 00 066**	**439 00 076**	**439 00 174**	**439 00 036**
100	**439 00 107**	**439 00 067**	**439 00 077**	**439 00 175**	**439 00 037**
125	**439 00 108**	**439 00 068**	**439 00 078**	**439 00 176**	**439 00 038**
160	**439 00 109**	**439 00 069**	**439 00 079**	**439 00 177**	**439 00 039**
200	**439 00 110**	**439 00 070**	**439 00 080**	**439 00 178**	**439 00 040**

For cylinder Ø (mm)	**CODES** to specify on order				
	 Female rod clevis CNOMO 06-07-14	 Male rod clevis CNOMO 06-07-15	 Straight complete trunnion mounting CNOMO 06-07-10	 Complete trunnion mounting w/ angular clevis bracket CNOMO 06-07-11	 Centre trunnion ** CNOMO 06-07-12
25	**439 00 091**	**439 00 081**	**439 00 021**	**439 00 011**	**410 500**
32	**439 00 091**	**439 00 081**	**439 00 022**	**439 00 012**	**410 501**
40	**439 00 093**	**439 00 083**	**439 00 023**	**439 00 013**	**410 502**
50	**439 00 093**	**439 00 083**	**439 00 024**	**439 00 014**	**410 503**
63	**439 00 095**	**439 00 085**	**439 00 025**	**439 00 015**	**410 504**
80	**439 00 095**	**439 00 085**	**439 00 026**	**439 00 016**	**410 505**
100	**439 00 097**	**439 00 087**	**439 00 027**	**439 00 017**	**410 506**
125	**439 00 097**	**439 00 087**	**439 00 028**	**439 00 018**	**410 507**
160	**439 00 099**	**439 00 089**	**439 00 029**	**439 00 019**	**410 508**
200	**439 00 099**	**439 00 089**	**439 00 030**	**439 00 020**	**410 509**

* Corresponds to a set of 2 parts.

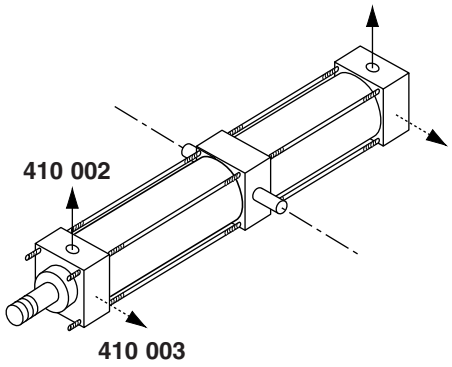
** The code of the centre trunnion, the dimension G (see P245-11) and, if necessary, the orientation code of the trunnion with respect to the ports must be added to the code for the cylinder.

NOTE: With the exception of the centre trunnion, mountings are delivered separately.

DIMENSIONS: see following pages

OPTIONS AND SPECIAL VERSIONS

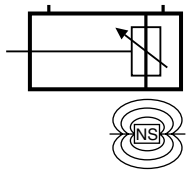
Other strokes upon request.
Version without cushioning.
Barrel from hard anodised aluminium (see version DM on following page).
Standard orientation of trunnion:
pressure supply ports perpendicular to swivel axis - code **410 002**
(other position upon request - code **410 003**)
Other options and special versions: consult us.



Series 437
Type: PCN/DM

DOUBLE ACTING CYLINDERS Ø 25 to 200 mm

equipped for magnetic position detectors
Conforming with CNOMO-AFNOR standards
With pneumatic cushioning
TRINORM/DM - CNOMO

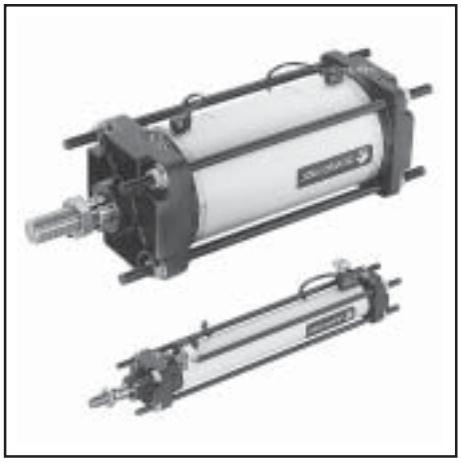


SPECIFICATIONS

FLUID : air or neutral gas filtered, lubricated or unlubricated
PRESSURE : max. 10 bar
TEMPERATURE : - 10°C, + 70°C
STANDARDS : **CNOMO 06-07-02 to 06-07-15**
AFNOR NFE 49001 - NFE 49002 - NFE 49011 to NFE 49015

CONSTRUCTION

Barrel : non magnetic stainless steel - Ø 25 mm
: hard anodised aluminium alloy - Ø 32 to 200 mm
Tie rods : stainless steel (Ø 32-100), painted steel (Ø 25, 125-200)
Rod : hard chrome plated steel
Piston : acetal resin (POM), galvanised steel or light aluminium alloy fitted with a permanent annular magnet
Piston seals : polyurethane (PUR) or nitrile (NBR)
Cushioning seals : nitrile (NBR)
Front and rear ends : Ø 25 mm zamak
Ø 32 to 200 mm light alloy
Bearing : self-lubricating metal
Rod nut : galvanised steel
Cushioning : pneumatic, adjustable from both sides



Cushioning length:
Ø25 and 32 mm = 15 mm
Ø40 and 50 mm = 20 mm
Ø63 and 80 mm = 21 mm
Ø100 and125 mm= 24 mm
Ø160 and200 mm= 30 mm

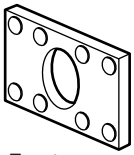
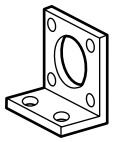
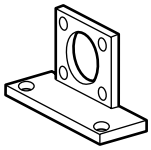
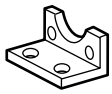
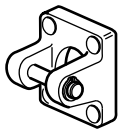
CHOICE OF EQUIPMENT

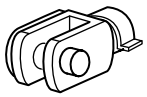
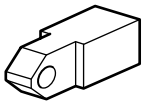
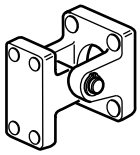
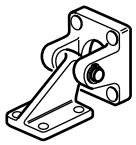
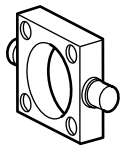
Bore Ø (mm)	Strokes (mm)	**CODES** * To specify on order	REFERENCES To specify on order	Con-nection
25	50	**437 00 999**	PCN 25 A 50-DM	G 1/8
	100	**437 01 000**	PCN 25 A 100-DM	
	150	**437 01 001**	PCN 25 A 150-DM	
	200	**437 01 002**	PCN 25 A 200-DM	
	250	**437 01 003**	PCN 25 A 250-DM	
32	50	**437 01 004**	PCN 32 A 50-DM	G 1/8
	100	**437 01 005**	PCN 32 A 100-DM	
	150	**437 01 006**	PCN 32 A 150-DM	
	200	**437 01 007**	PCN 32 A 200-DM	
	250	**437 01 008**	PCN 32 A 250-DM	
40	50	**437 01 009**	PCN 40 A 50-DM	G 1/4
	100	**437 01 010**	PCN 40 A 100-DM	
	150	**437 01 011**	PCN 40 A 150-DM	
	200	**437 01 012**	PCN 40 A 200-DM	
	250	**437 01 013**	PCN 40 A 250-DM	
	300	**437 01 014**	PCN 40 A 300-DM	
	400	**437 01 015**	PCN 40 A 400-DM	
50	50	**437 01 016**	PCN 50 A 50-DM	G 1/4
	100	**437 01 017**	PCN 50 A 100-DM	
	150	**437 01 018**	PCN 50 A 150-DM	
	200	**437 01 019**	PCN 50 A 200-DM	
	250	**437 01 020**	PCN 50 A 250-DM	
	300	**437 01 021**	PCN 50 A 300-DM	
	400	**437 01 022**	PCN 50 A 400-DM	
63	50	**437 01 023**	PCN 63 A 50-DM	G 3/8
	100	**437 01 024**	PCN 63 A 100-DM	
	150	**437 01 025**	PCN 63 A 150-DM	
	200	**437 01 026**	PCN 63 A 200-DM	
	250	**437 01 027**	PCN 63 A 250-DM	
	300	**437 01 028**	PCN 63 A 300-DM	
	400	**437 01 029**	PCN 63 A 400-DM	
	500	**437 01 030**	PCN 63 A 500-DM	
	600	**437 01 031**	PCN 63 A 600-DM	
Ø 80	50	**437 01 032**	PCN 80 A 50-DM	G 3/8
	100	**437 01 033**	PCN 80 A 100-DM	
	150	**437 01 034**	PCN 80 A 150-DM	
	200	**437 01 035**	PCN 80 A 200-DM	
	250	**437 01 036**	PCN 80 A 250-DM	
	300	**437 01 037**	PCN 80 A 300-DM	
	400	**437 01 038**	PCN 80 A 400-DM	
	500	**437 01 039**	PCN 80 A 500-DM	
	600	**437 01 040**	PCN 80 A 600-DM	

Bore Ø (mm)	Strokes (mm)	**CODES** * To specify on order	REFERENCES To specify on order	Con-nection
100	50	**437 01 329**	PCN 100 A 50-DM	G 1/2
	100	**437 01 330**	PCN 100 A 100-DM	
	150	**437 01 331**	PCN 100 A 150-DM	
	200	**437 01 332**	PCN 100 A 200-DM	
	250	**437 01 333**	PCN 100 A 250-DM	
	300	**437 01 334**	PCN 100 A 300-DM	
	400	**437 01 335**	PCN 100 A 400-DM	
	500	**437 01 336**	PCN 100 A 500-DM	
	600	**437 01 337**	PCN 100 A 600-DM	
	700	**437 01 338**	PCN 100 A 700-DM	
	800	**437 01 339**	PCN 100 A 800-DM	
	900	**437 01 340**	PCN 100 A 900-DM	
	1000	**437 01 341**	PCN 100 A1000-DM	
125	50	**437 01 355**	PCN 125 A 50-DM	G 1/2
	100	**437 01 356**	PCN 125 A 100-DM	
	150	**437 01 357**	PCN 125 A 150-DM	
	200	**437 01 358**	PCN 125 A 200-DM	
	250	**437 01 359**	PCN 125 A 250-DM	
	300	**437 01 360**	PCN 125 A 300-DM	
	400	**437 01 361**	PCN 125 A 400-DM	
	500	**437 01 362**	PCN 125 A 500-DM	
	600	**437 01 363**	PCN 125 A 600-DM	
	700	**437 01 364**	PCN 125 A 700-DM	
	800	**437 01 365**	PCN 125 A 800-DM	
	900	**437 01 366**	PCN 125 A 900-DM	
	1000	**437 01 367**	PCN 125 A1000-DM	
160	50	**437 01 381**	PCN 160 A 50-DM	G 3/4
	100	**437 01 382**	PCN 160 A 100-DM	
	150	**437 01 383**	PCN 160 A 150-DM	
	200	**437 01 384**	PCN 160 A 200-DM	
	250	**437 01 385**	PCN 160 A 250-DM	
	300	**437 01 386**	PCN 160 A 300-DM	
	400	**437 01 387**	PCN 160 A 400-DM	
	500	**437 01 388**	PCN 160 A 500-DM	
	600	**437 01 389**	PCN 160 A 600-DM	
	700	**437 01 390**	PCN 160 A 700-DM	
	800	**437 01 391**	PCN 160 A 800-DM	
	900	**437 01 392**	PCN 160 A 900-DM	
	1000	**437 01 393**	PCN 160 A1000-DM	
200	50	**437 01 407**	PCN 200 A 50-DM	G 3/4
	100	**437 01 408**	PCN 200 A 100-DM	
	150	**437 01 409**	PCN 200 A 150-DM	
	200	**437 01 410**	PCN 200 A 200-DM	
	250	**437 01 411**	PCN 200 A 250-DM	
	300	**437 01 412**	PCN 200 A 300-DM	
	400	**437 01 413**	PCN 200 A 400-DM	
	500	**437 01 414**	PCN 200 A 500-DM	
	600	**437 01 415**	PCN 200 A 600-DM	
	700	**437 01 416**	PCN 200 A 700-DM	
	800	**437 01 417**	PCN 200 A 800-DM	
	900	**437 01 418**	PCN 200 A 900-DM	
	1000	**437 01 419**	PCN 200 A1000-DM	

* **The magnetic position detectors must be ordered separately:** Model UNI, Reed switch or magneto-resistive type (see P295), or model BIM, magneto-inductive type (see P297)

MOUNTINGS

For cylinder Ø (mm)	**CODES** to specify on order				
	 Front or rear flange CNOMO 06-07-04	 Standard foot, high CNOMO 06-07-05	 Foot, high and broad CNOMO 06-07-06	 Low feet* stamped steel	 Front or rear trunnion CNOMO 06-07-09
25	**439 00 101**	**439 00 061**	**439 00 071**	**439 00 169**	**439 00 031**
32	**439 00 102**	**439 00 062**	**439 00 072**	**439 00 170**	**439 00 032**
40	**439 00 103**	**439 00 063**	**439 00 073**	**439 00 171**	**439 00 033**
50	**439 00 104**	**439 00 064**	**439 00 074**	**439 00 172**	**439 00 034**
63	**439 00 105**	**439 00 065**	**439 00 075**	**439 00 173**	**439 00 035**
80	**439 00 106**	**439 00 066**	**439 00 076**	**439 00 174**	**439 00 036**
100	**439 00 107**	**439 00 067**	**439 00 077**	**439 00 175**	**439 00 037**
125	**439 00 108**	**439 00 068**	**439 00 078**	**439 00 176**	**439 00 038**
160	**439 00 109**	**439 00 069**	**439 00 079**	**439 00 177**	**439 00 039**
200	**439 00 110**	**439 00 070**	**439 00 080**	**439 00 178**	**439 00 040**

For cylinder Ø (mm)	**CODES** to specify on order				
	 Female rod clevis CNOMO 06-07-14	 Male rod clevis CNOMO 06-07-15	 Straight complete trunnion mounting CNOMO 06-07-10	 Complete trunnion mounting w/ angular clevis bracket CNOMO 06-07-11	 Centre trunnion ** CNOMO 06-07-12
25	**439 00 091**	**439 00 081**	**439 00 021**	**439 00 011**	**410 500**
32	**439 00 091**	**439 00 081**	**439 00 022**	**439 00 012**	**410 501**
40	**439 00 093**	**439 00 083**	**439 00 023**	**439 00 013**	**410 502**
50	**439 00 093**	**439 00 083**	**439 00 024**	**439 00 014**	**410 503**
63	**439 00 095**	**439 00 085**	**439 00 025**	**439 00 015**	**410 504**
80	**439 00 095**	**439 00 085**	**439 00 026**	**439 00 016**	**410 505**
100	**439 00 097**	**439 00 087**	**439 00 027**	**439 00 017**	**410 506**
125	**439 00 097**	**439 00 087**	**439 00 028**	**439 00 018**	**410 507**
160	**439 00 099**	**439 00 089**	**439 00 029**	**439 00 019**	**410 508**
200	**439 00 099**	**439 00 089**	**439 00 030**	**439 00 020**	**410 509**

* Corresponds to a set of 2 parts.

** The code of the centre trunnion, the dimension G (see P245-11) and, if necessary, the orientation code of the trunnion with respect to the ports must be added to the code for the cylinder.

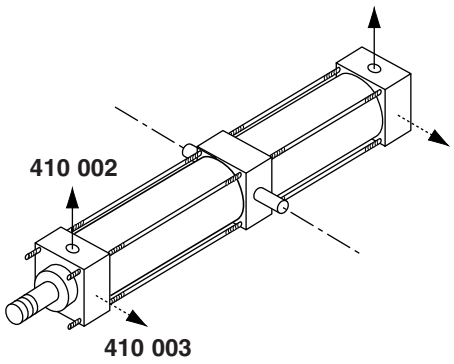
NOTE: The mountings are identical for TRINORM-CNOMO cylinders either with or without magnetic position detectors.
With the exception of the centre trunnion, mountings are delivered separately.

DIMENSIONS: see following pages

OPTIONS AND SPECIAL VERSIONS

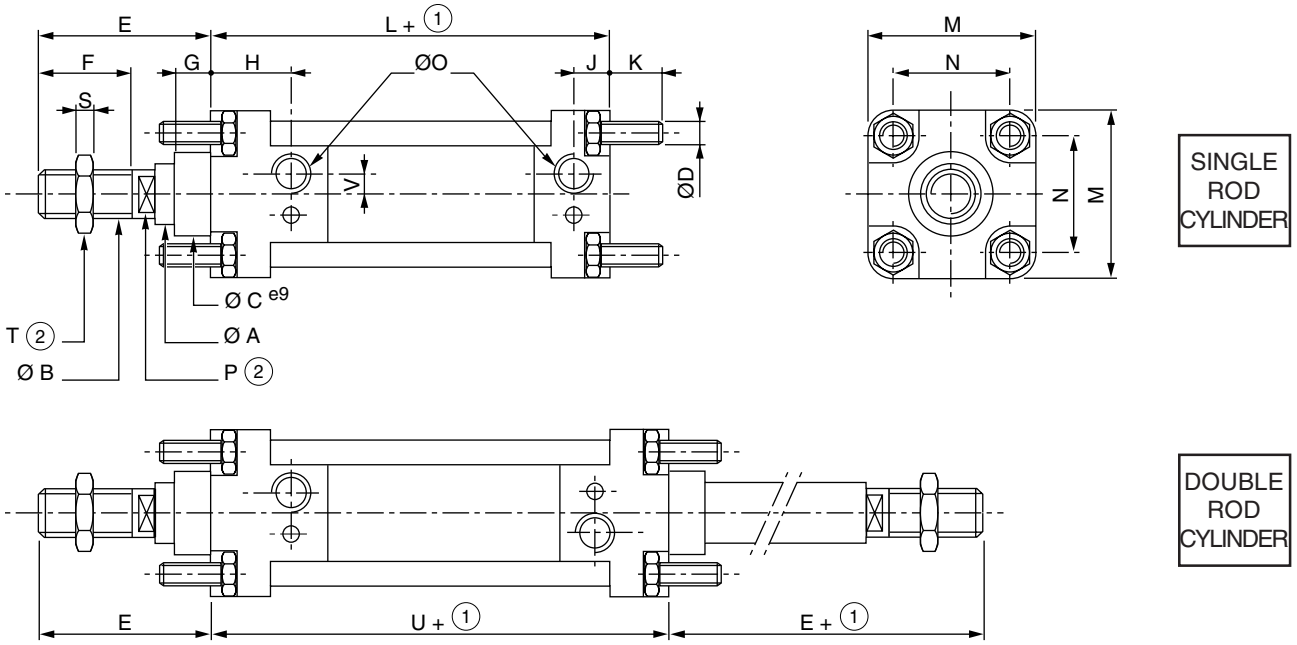
Other strokes upon request.
Version without cushioning.
Standard orientation of trunnion:
Pressure supply ports perpendicular to swivel axis - code **410 002**
(other position upon request - code **410 003**)

Other options and special versions: consult us.



DIMENSIONS AND WEIGHTS

BARE CYLINDER - CNOMO 06.07.02



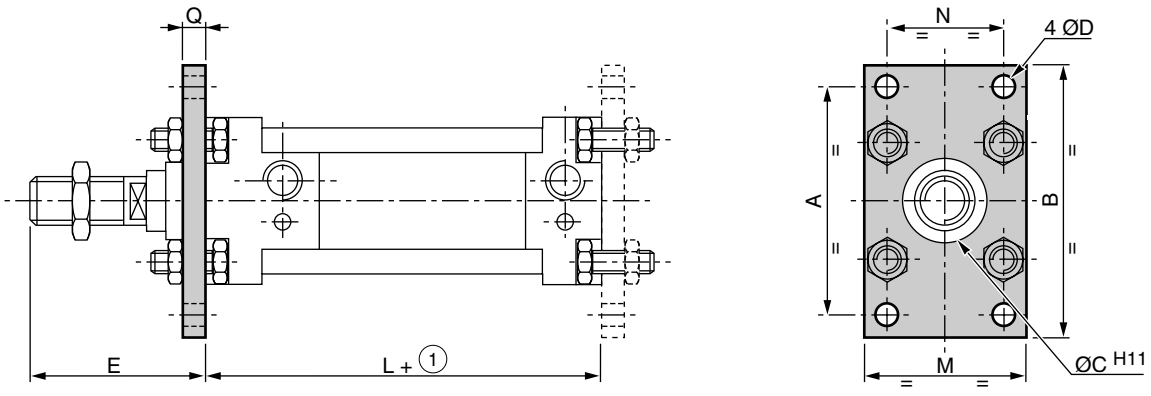
(1) : + stroke
(2) : dimensions on flats

Bore Ø (mm)	DIMENSIONS (mm)															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	S
25	12	M10 x 1.5	25	M6	45	20	15	14	14	17	80	40	28	G1/8	8	5
32	12	M10 x 1.5	25	M6	45	20	15	18	11.5	17	80	45	33	G1/8	8	5
40	18	M16 x 1.5	32	M6	70	36	15	29.5	11	17	110	52	40	G1/4	13	8
50	18	M16 x 1.5	32	M8	70	36	15	29.5	14	23	110	65	49	G1/4	13	8
63	22	M20 x 1.5	45	M8	85	46	20	33	16	23	125	75	59	G3/8	17	10
80	22	M20 x 1.5	45	M10	85	46	20	33	16	28	125	95	75	G3/8	17	10
100	30	M27 x 2	55	M10	110	63	20	30	30	28	145	115	90	G1/2	22	13.5
125	30	M27 x 2	55	M12	110	63	20	36.5	18	34	145	140	110	G1/2	22	13.5
160	40	M36 x 2	65	M16	135	85	25	39	20	42	180	180	140	G3/4	32	18
200	40	M36 x 2	65	M16	135	85	25	39	20	42	180	220	175	G3/4	32	18

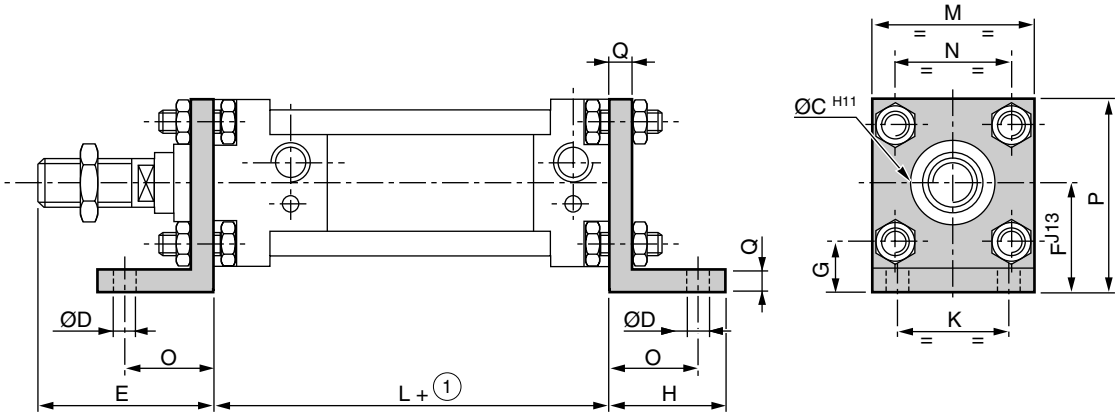
Bore Ø (mm)	DIMENSIONS (mm)			WEIGHTS (kg)	
	T	U	V	(3)	(4)
25	17	90	2.5	0.520	0.280
32	17	90	4	0.640	0.320
40	24	129	1.5	0.910	0.470
50	24	129	4	1.200	0.600
63	30	146	5.5	1.970	0.830
80	30	146	5.5	2.700	1.100
100	41	164	–	5.100	1.280
125	41	164	–	6.500	2
160	54	200	–	13.550	3.250
200	54	200	–	18	4.100

(3) Cylinder weight with 0 mm stroke.
(4) Weight to be added per additional 100 mm length.

FRONT OR REAR MOUNTING FLANGE - CNOMO 06-07-04



STANDARD HIGH FOOT MOUNTING - CNOMO 06-07-05



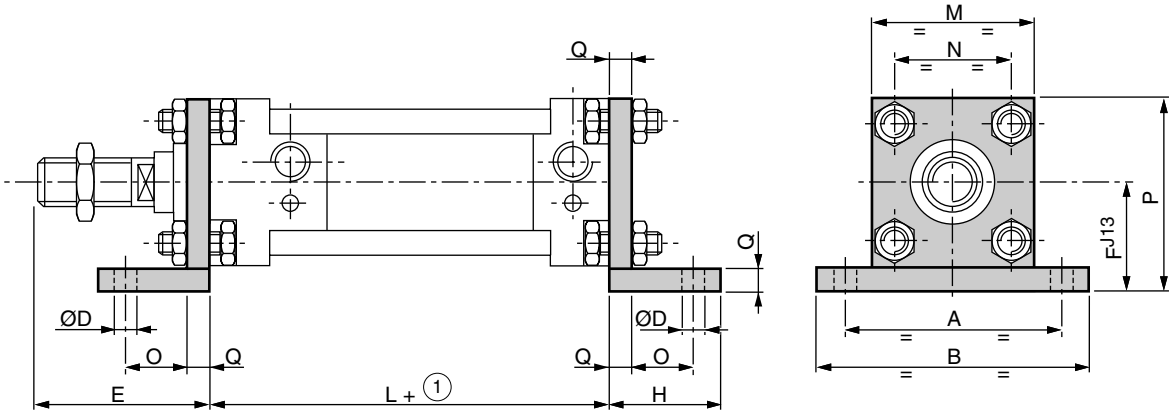
(1) : + stroke

Bore Ø (mm)	DIMENSIONS (mm)														
	A	B	ØC	ØD	E	F	G	H	K	L	M	N	O	P	Q
25	68	80	25	9	45	30	16	35	24	80	40	28	27	50	8
32	68	80	25	9	45	32	15,5	35	28	80	45	33	27	54	8
40	78	90	32	9	70	36	16	35	36	110	52	40	27	62	8
50	94	110	32	11	70	45	20,5	45	45	110	65	49	35	77	10
63	104	120	45	11	85	50	20,5	45	55	125	75	59	35	87	10
80	130	150	45	14	85	63	25,5	55	70	125	95	75	43	110	12
100	150	170	55	14	110	73	28	55	90	145	115	90	43	130	12
125	180	205	55	18	110	91	36	68	100	145	140	110	52	161	16
160	228	260	65	22	135	115	45	80	130	180	180	140	62	205	20
200	268	300	65	22	135	135	47,5	80	170	180	220	175	62	245	20

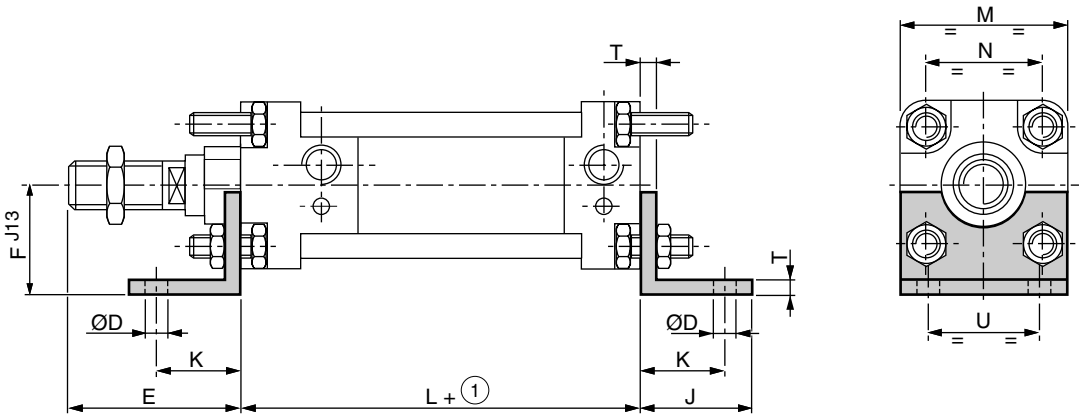
Bore Ø	WEIGHTS (kg)	
	Front or rear flange	High foot
25	0.140	0.140
32	0.170	0.180
40	0.220	0.220
50	0.440	0.470
63	0.530	0.550

Bore Ø	WEIGHTS (kg)	
	Front or rear flange	High foot
80	1.080	1.090
100	1.520	1.500
125	3.060	3.240
160	6.380	6.350
200	9.580	9.150

HIGH AND BROAD FOOT MOUNTING - CNOMO 06-07-06



LOW STAMPED STEEL FEET MOUNTINGS



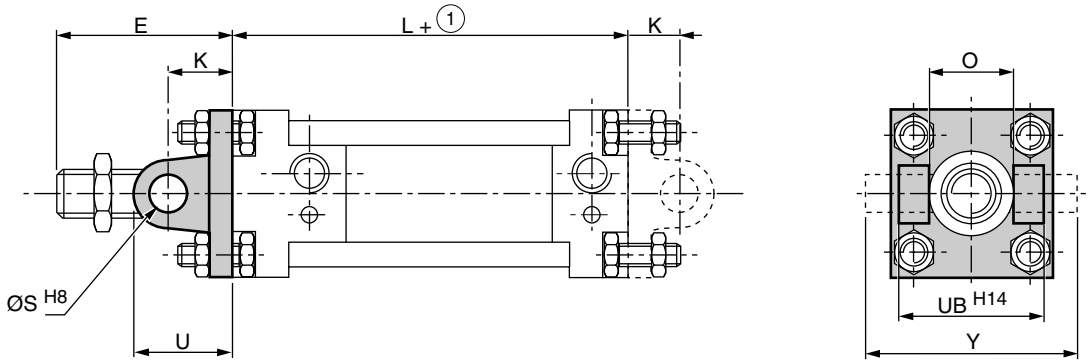
① : + stroke

Bore Ø (mm)	DIMENSIONS (mm)															
	A	B	ØD	E	F	H	J	K	L	M	N	O	P	Q	T	U
25	58	75	9	45	30	35	35	27	80	40	28	10	50	8	2,5	24
32	65	82	9	45	32	35	37,5	27	80	45	33	10	54	8	3	28
40	72	90	9	70	36	35	35	27	110	52	40	10	62	8	3	36
50	90	110	11	70	45	45	45	35	110	65	49	12	77	10	4	45
63	100	120	11	85	50	45	45	35	125	75	59	12	87	10	4	55
80	126	155	14	85	63	55	55,5	43	125	95	75	16	110	12	5	70
100	148	180	14	110	73	55	55	43	145	115	90	16	130	12	5	90
125	180	215	18	110	91	68	72	52	145	140	110	16	161	16	5	100
160	230	275	22	135	115	80	87	62	180	180	140	20	205	20	6	130
200	270	315	22	135	135	80	95	62	180	220	175	20	245	20	6	170

Bore Ø	WEIGHTS (kg)	
	High foot	Low foot
25	0.220	0.100
32	0.260	0.120
40	0.310	0.150
50	0.620	0.310
63	0.720	0.340

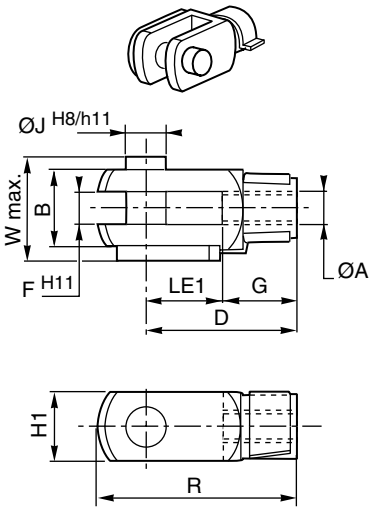
Bore Ø	WEIGHTS (kg)	
	High foot	Low foot
80	1.390	0.700
100	1.820	0.740
125	3.910	1.350
160	7.770	2.570
200	10.790	3.450

FRONT OR REAR TRUNNION MOUNTING - CNOMO 06-07-09

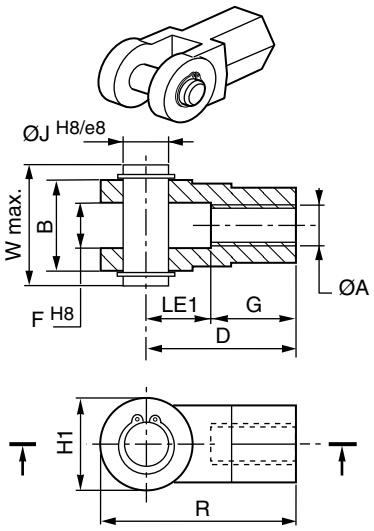


FEMALE ROD CLEVIS - CNOMO 06-07-14

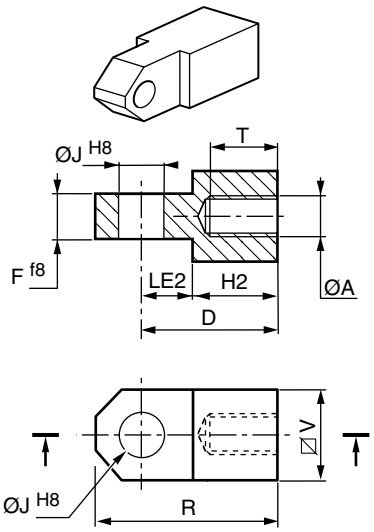
Ø 25...80 mm



Ø 100...200 mm



MALE ROD CLEVIS - CNOMO 06-07-15



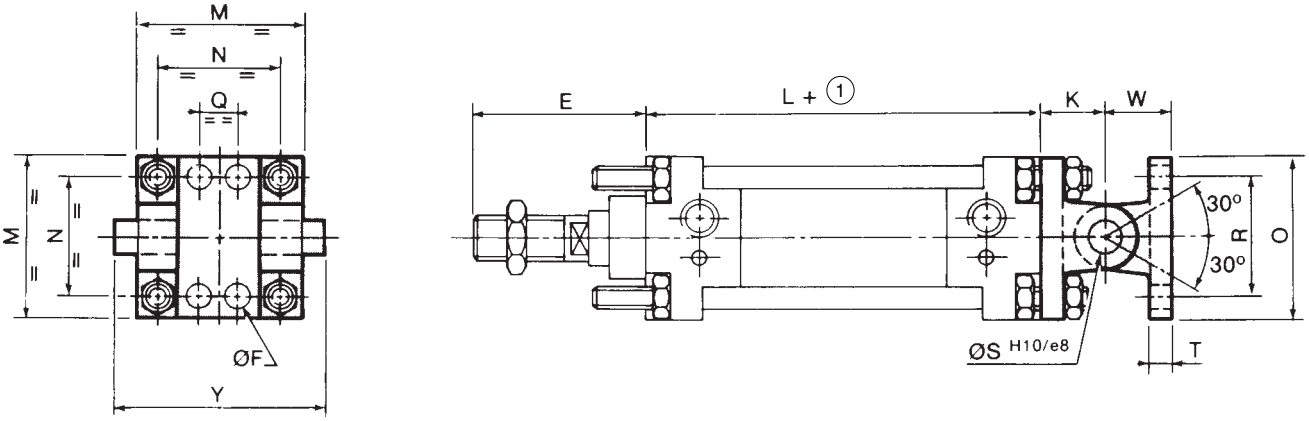
① : + stroke

Bore Ø (mm)	DIMENSIONS (mm)																					
	A	B	D	E	F	G	H1	H2	J	K	L	LE1	LE2	O	R	ØS	T	U	UB	V	W	Y
25	M10 x 1,5	22	36	45	11	20	22	25	8	18	80	16	11	26	45	8	20	26	40	22	28	49
32	M10 x 1,5	22	36	45	11	20	22	25	8	18	80	16	11	26	45	8	20	26	45	22	28	54
40	M16 x 1,5	36	51	70	18	26	26	34	12	24	110	25	17	33	64	12	30	36	52	32	44	62
50	M16 x 1,5	36	51	70	18	26	26	34	12	26	110	25	17	33	64	12	30	38	60	32	44	70
63	M20 x 1,5	45	63	85	22	30	34	41	16	30	125	33	22	47	80	16	36	46	70	35	53	80
80	M20 x 1,5	45	63	85	22	30	34	41	16	32	125	33	22	47	80	16	36	48	90	35	53	100
100	M27 x 2	63	85	110	30	55	44	58	20	37	145	30	27	57	105	20	50	57	110	45	76	123
125	M27 x 2	63	85	110	30	55	44	58	20	41	145	30	27	57	105	20	50	61	140	45	76	153
160	M36 x 2	80	115	135	40	75	56	81	25	55	180	40	34	72	140	25	70	80	180	63	93	193
200	M36 x 2	80	115	135	40	75	56	81	25	55	180	40	34	72	140	25	70	80	220	63	93	233

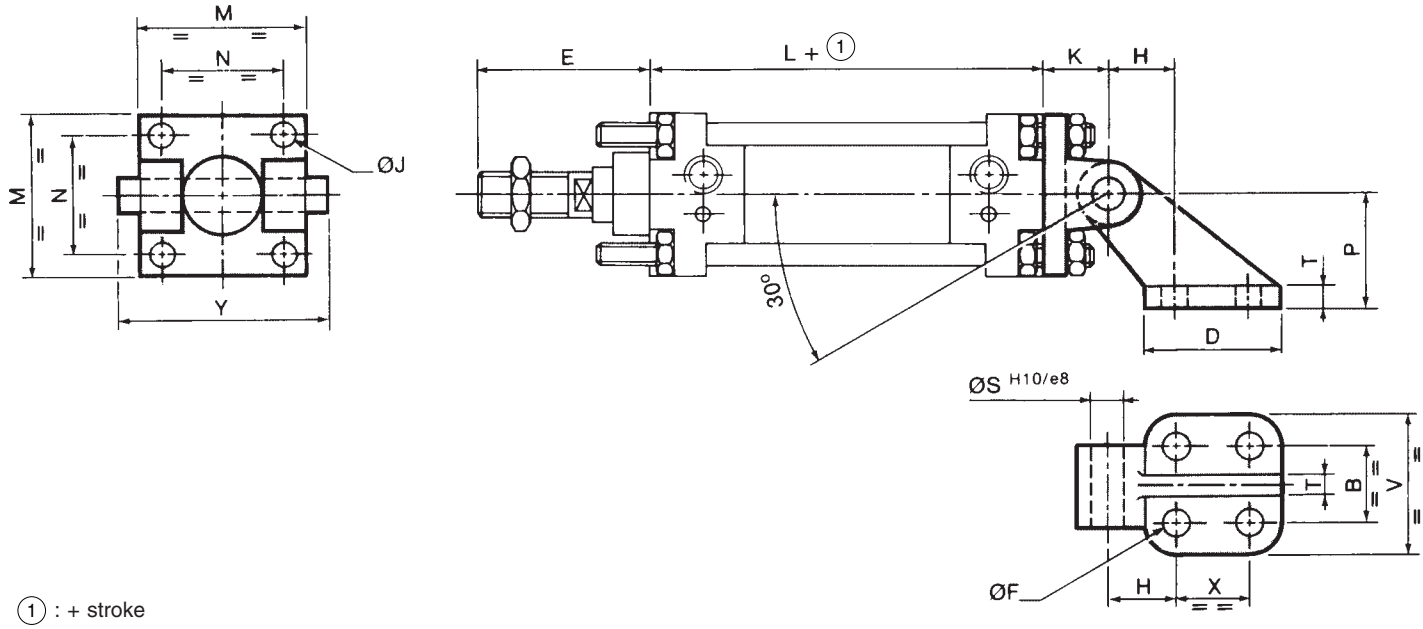
Bore Ø	WEIGHTS (kg)		
	Trunnion	Female clevis	Male clevis
25	0.090	0.095	0.120
32	0.120	0.095	0.120
40	0.210	0.250	0.320
50	0.350	0.250	0.320
63	0.500	0.530	0.480

Bore Ø	WEIGHTS (kg)		
	Trunnion	Female clevis	Male clevis
80	1.070	0.530	0.480
100	1.500	1.050	1
125	2.430	1.050	1
160	5.330	2.150	2.270
200	7.020	2.150	2.270

STRAIGHT COMPLETE TRUNNION MOUNTING - CNOMO 06-07-10



COMPLETE TRUNNION MOUNTING WITH ANGULAR CLEVIS BRACKET - CNOMO 06-07-11



① : + stroke

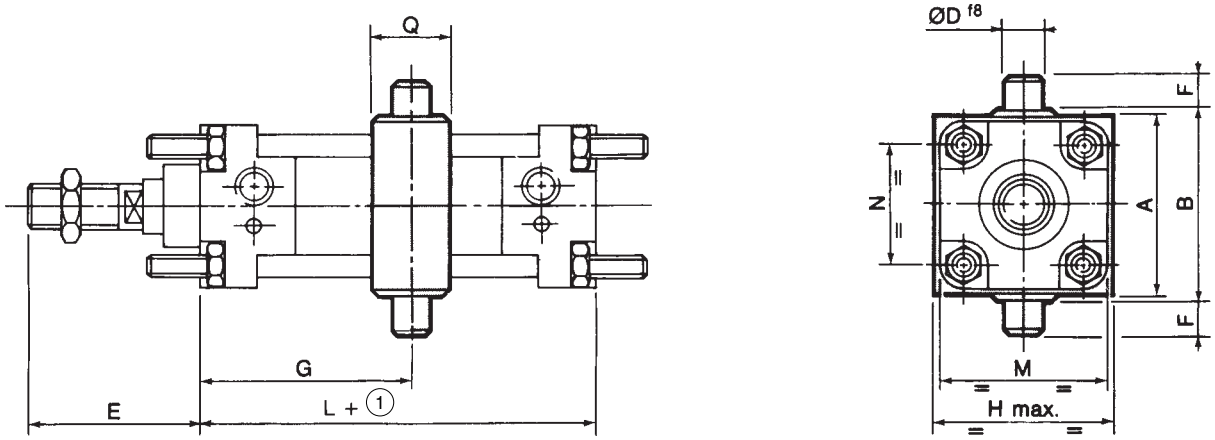
Bore Ø (mm)	DIMENSIONS (mm)																			
	B	D	E	ØF	H	ØJ	K	L	M	N	O	P	Q	R	ØS	T	V	W	X	Y
25	25	37	45	7	18	7	18	80	40	28	40	32	0	28	8	8	41	18	20	49
32	25	37	45	7	18	7	18	80	45	33	40	32	0	28	8	8	41	18	20	54
40	32	54	70	9	25	7	24	110	52	40	52	45	16	38	12	10	52	26	32	62
50	32	54	70	9	25	9	26	110	65	49	52	45	16	38	12	10	52	26	32	70
63	40	75	85	11	32	9	30	125	75	59	75	63	25	54	16	12	63	34	50	80
80	40	75	85	11	32	11	32	125	95	75	75	63	25	54	16	12	63	34	50	100
100	50	103	110	14	40	11	37	145	115	90	115	90	32	90	20	16	80	41	70	123
125	50	103	110	14	40	14	41	145	140	110	115	90	32	90	20	16	80	41	70	153
160	63	154	135	18	50	18	55	180	180	140	180	140	43	150	25	20	103	55	110	193
200	63	154	135	18	50	18	55	180	220	175	180	140	43	150	25	20	103	55	110	233

Bore Ø	WEIGHTS (kg)	
	Straight trunnion	Trunnion w/ angular clevis bracket
25	0.180	0.240
32	0.210	0.280
40	0.410	0.550
50	0.540	0.720
63	1.040	1.360

Bore Ø	WEIGHTS (kg)	
	Straight trunnion	Trunnion w/ angular clevis bracket
80	1.610	1.930
100	2.280	3.270
125	3.330	4.350
160	7.480	12.020
200	9.290	12.230

CENTRE TRUNNION MOUNTING - CNOMO 06-07-12

Note: The centre trunnion is delivered pre-assembled.



(1) : + stroke

Bore Ø (mm)	DIMENSIONS (mm)										WITHOUT DETECTOR		WITH DETECTOR			Weight of trunnion alone (kg)
	A	B	D	E	F	H	L	M	N	Q	G min.	G max.	G min.	G max.	C min.	
25	38	42	12	45	12	60	80	40	28	22	38	42 + (1)	80	(1) - 10	90	0.140
32	46	50	12	45	12	65	80	45	33	22	45	45 + (1)	97	(1) + 10	90	0.180
40	58	63	16	70	16	75	110	52	40	30	66	63 + (1)	118	(1) + 20	95	0.380
50	68	73	16	70	16	90	110	65	49	30	66	63 + (1)	118	(1) + 20	95	0.460
63	84	90	20	85	20	100	125	75	59	35	77	69 + (1)	129	(1) + 30	100	0.820
80	102	108	20	85	20	125	125	95	75	35	77	69 + (1)	129	(1) + 30	100	1.060
100	124	131	25	110	25	140	145	115	90	40	76	89 + (1)	130	(1) + 10	120	1.800
125	152	159	25	110	25	170	145	140	110	40	76	89 + (1)	130	(1) + 20	115	2.490
160	190	198	32	135	32	215	180	180	140	50	84	116 + (1)	145	(1) + 20	130	4.170
200	240	248	32	135	32	250	180	220	175	50	84	116 + (1)	145	(1) + 25	120	4.200

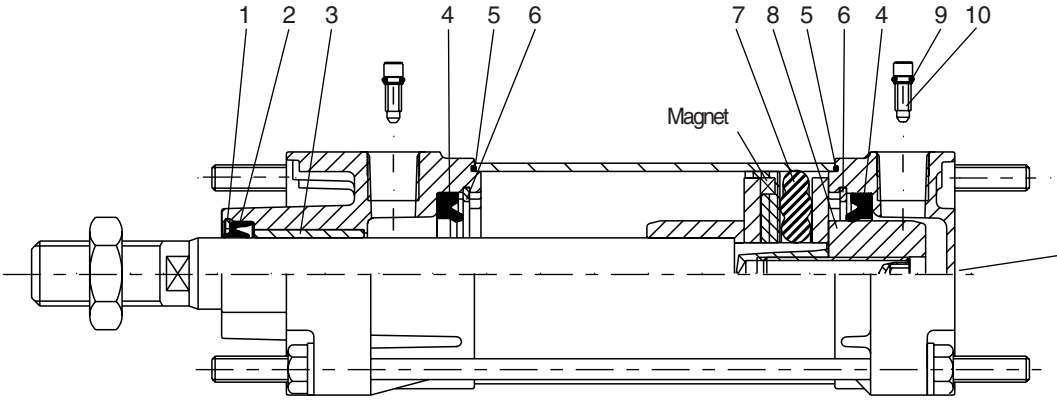
Unless otherwise specified on the order, all cylinders with standard strokes will be supplied with dimension G as shown in the table below.
For all cylinders with non-CNOMO standard strokes, the dimension G must be indicated, taking into account the maximum and minimum dimensions defined above.

Dimension G to CNOMO recommendations.

Bore Ø (mm)	STROKE (mm)												
	50	100	150	200	250	300	400	500	600	700	800	900	1000
25-32	54	75	96	117	137	–	–	–	–	–	–	–	–
40-50	67	87	108	129	150	171	212	–	–	–	–	–	–
63-80	–	94	115	135	156	177	219	260	302	–	–	–	–
100-125	–	102	123	144	165	185	227	269	310	352	394	434	477
160-200	–	–	137	158	179	200	242	283	325	366	408	450	492

CYLINDERS TRINORM CNOMO/AFNOR Ø 25 to 200 mm

CONSTRUCTION II



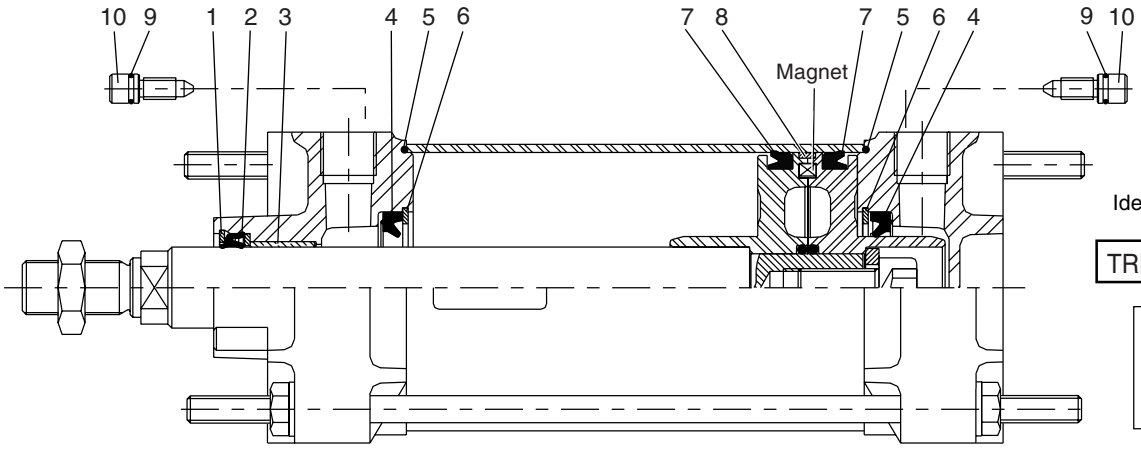
Identification of construction 2

TRINORM Ø 25 ... 80 mm

TRINORM Ø 100 ... 200 mm

TRINORM 2

CONSTRUCTION III



Identification of construction 3

TRINORM Ø 100 ... 200 mm

TRINORM 3

Ø Cylinder	Cylinder type	CODES		
		Bearing + rod seal (item 1, 2, 3)	Seals (items 4 to 10)	
			construction II	
25	Equippedornon-equippedfordetector	**978 01 393**	**978 01 412**	
32	Equippedornon-equippedfordetector	**978 01 393**	**978 01 394**	
40	Equippedornon-equippedfordetector	**978 01 395**	**978 01 396**	
50	Equippedornon-equippedfordetector	**978 01 395**	**978 01 398**	
63	Equippedornon-equippedfordetector	**978 01 399**	**978 01 400**	
80	Equippedornon-equippedfordetector	**978 01 399**	**978 01 402**	
			construction II	construction III
100	Equippedornon-equippedfordetector	**978 01 543**	**978 01 551**	**978 02 263**
125	Equippedornon-equippedfordetector	**978 01 569**	**978 01 552**	**978 02 264**
160	Equippedornon-equippedfordetector	**978 01 544**	**978 01 553**	**978 02 265**
200	Equippedornon-equippedfordetector	**978 01 544**	**978 01 554**	**978 02 266**

NOTE: For best results, use grease supplied in each kit.
Supplementary tube (11 cm^3) available upon request, code: **978 02 100**